

$$\leq \frac{1}{\sqrt{\pi}} \left(\frac{1}{\sqrt{\pi}} + \frac{1}{\sqrt{\pi}} \right) = \frac{2}{\sqrt{\pi}}$$

$$\leq \frac{1}{\epsilon} \left(\frac{\epsilon}{2} + \frac{\epsilon^2}{8} \right) = \frac{\epsilon}{2} + \frac{\epsilon^2}{8}$$

[illegible]

$$\leq \frac{1}{\sqrt{\pi}} \left(\frac{1}{\sqrt{\pi}} + \frac{1}{\sqrt{\pi}} \right) = \frac{2}{\sqrt{\pi}}$$